

REMARKS

Subsequent to entry of the foregoing amendments, claims 1-15 and 26-30 are currently pending in this application. Claims 1-9 have been withdrawn from further consideration. Claims 16-25 were previously cancelled, and new claims 26-30 are introduced via this Amendment.

Formal Matters

Applicants thank the Examiner for acknowledging the claims to foreign priority and confirming receipt of certified copies of the priority documents. Also, Applicants appreciate the Examiner's indication that the references cited in the Information Disclosure Statements submitted on March 12, 2004; May 12, 2005, and August 19, 2005, have been considered.

Specification Objections

The Examiner makes several objections to the specification, specifically objecting to the Abstract and pages 1 and 47 of the specification.

With regard to the Abstract, Applicants hereby amend the same to overcome the objection. Applicants also amend pages 1 and 47 as suggested by the Examiner.

With regard to the Examiner's general objection to the specification, Applicants submit that the specification is written in proper English. Also, the Examiner has not provided any explanation of why he believes that the specification is improper. If the Examiner believes that

the specification is not written in proper English, he is respectfully requested to provide a specific explanation of why he believes that the specification is improper.

Claim Objections

The Examiner objects to claims 10-13 and 15 for various informalities, which are believed to be overcome by the foregoing amendments.

Claim Rejections - 35 U.S.C. §102

Claim 10 stands rejected under 35 U.S.C. §102(b) as being anticipated by Greene, *et al.* (U.S. Patent No. 5,449,204). Applicants respectfully traverse this rejection in view of the following arguments.

Claim 10 recites a duplex pipe including an outer pipe for passing a first fluid and an inner pipe for passing a second fluid. For example, a non-limiting embodiment of the specification teaches a low pressure gas coolant in the outer pipe and a high pressure liquid coolant in the inner pipe (*see* the paragraph bridging pages 17 and 18 of the specification). Greene does not disclose a duplex pipe for a first fluid in an inner pipe and a second fluid in an outer pipe. Instead, only the inner pipe 86 of Greene is designed to pass a fluid. The outer pipe is a containment pipe, designed to merely contain the inner pipe (*see*, for example, column 1, lines 12-17). The outer pipe does not pass a first fluid as claimed.

Furthermore, to the extent that there is any fluid in the Greene outer pipe 102, it would be from fluid leaked from the inner pipe. Thus, the leaked fluid in the outer pipe would be the same as the fluid in the inner pipe, not a second fluid as claimed.

Finally, claim 10 also recites that the exposed portion of the inner pipe crosses the passage in the main body which passes the first fluid flowing inside the outer pipe. Greene also fails to teach at least this feature of claim 10. The Examiner asserts that Greene pipe 86 constitutes the claimed inner pipe. However, Greene's pipe 86 extends only to about the first wall of element 102. It does not cross a passage of the main body as recited in claim 10.

In view of the above, Applicants respectfully request that the Examiner withdraw the rejection of claim 10.

Claim Rejections - 35 U.S.C. §103

Claims 11-13 and 15 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Greene in view of O'Laughlin (U.S. Patent No. 1,986,010). Applicants respectfully traverse this rejection as follows.

Claim 11 recites a duplex pipe including an outer pipe for passing a first fluid and an inner pipe for passing a second fluid. As discussed above, Greene does not disclose such a feature. Also, O'Laughlin does not correct this deficiency of Greene. Accordingly, Applicants respectfully submit that claim 11 is allowable over the combined teachings and suggestions of Greene and O'Laughlin.

Claims 12, 13 and 15 depend from claim 11 and are, therefore, allowable at least because of their dependency.

New Claims

New claims 26-30 are added to provide a more varied scope of protection. Claims 26 and 28 depend from claim 10, and claims 27, 29 and 30 depend from claim 11. Applicants respectfully submit that claims 26-30 are allowable at least because of their respective dependencies.

Conclusion

In view of the preceding amendments and remarks, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue that the Examiner feels may be best resolved through a personal or telephonic interview, he is kindly requested to contact the undersigned at the local telephone number listed below.

AMENDMENT UNDER 37 C.F.R. §1.111
U.S. SERIAL NO. 10/798,359

ART UNIT 3679
Q80302

The USPTO is directed and authorized to charge all required fees (except the Issue/Publication Fees) to our Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.


Respectfully submitted,

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Date: April 11, 2006